

LONG TERM OXYGEN THERAPY SYSTEM

ABSTRACT

5 A long term oxygen therapy system having an oxygen supply directly
linked with a patient's lung or lungs may be utilized to more efficiently treat
hypoxia caused by chronic obstructive pulmonary disease such as emphysema
and chronic bronchitis. The system includes an oxygen source, one or more
valves and fluid carrying conduits. The fluid carrying conduits link the oxygen
10 source to diseased sites within the patient's lungs. A collateral ventilation
bypass trap system directly linked with a patient's lung or lungs may be utilized
to increase the expiratory flow from the diseased lung or lungs, thereby treating
another aspect of chronic obstructive pulmonary disease. The system includes
a trap, a filter/one-way valve and an air carrying conduit.

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